PVC WATERSTOPS

GENERAL DESCRIPTION

PVC waterstops or waterbars are mainly used in modern methods of concrete construction with main aim to provide sealing and waterproofing ability to normal and reinforced concrete structures. Modern technology requires that such structures are divided into large sections and are built together by the use of forming and/or expansion joints. Waterstop designs are developed in such way to serve both needs of sealing and concrete section coupling. are developed in such way to serve both needs of sealing and concrete section coupling.

TYPICAL APPLICATIONS

Manufacturing & design is according to the latest standards and can be installed in almost any type of concrete structure, covering all joint types, and providing waterproof and sealing properties under any conditions such as seawater contact or high hydrostatic pressure levels.

Common application structures are:
- Wastewater treatment facilities
- Water reservoirs
- Pools
- Basements
- Underground car parks
- Tunnels
- Dams
- Walls
- Bridges
- Canals etc.

ADVANTAGES

- Free of toxic or hazardous substances
- Long lasting properties and unaltered characteristics even at low temperatures and adverse environmental conditions
- Permanent flexibility
- Special treatment during storage is not required
- They comply with the regulations ASTM D. 412-715 and ASTM D. 746-747-2240
- Quality control and production carried out in accordance with the standards of ISO 9001:2008
- Produced in different dimensions depending on their use
- Suitable for sea water contact

Available types & sizes

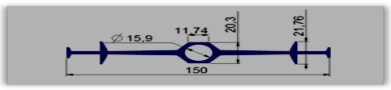
Waterstops are offered in various types and sizes in order to cover any need and technical specification regarding the concrete structure :

1. Internal Joints (Internal Waterstop)

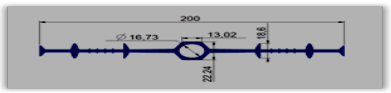
This type of waterstop is installed axially in the centre of the structure.

a) Waterstop with centre bulb (expansion joint)

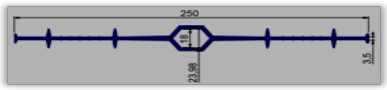
Manufactured with a hexagonal centre bulb in order to handle the movement of the structure and provide a flat surface. Offered in several sizes covering width dimensions between 15 and 33cm.



Picture 1. LP 054045



Picture 2. LP 054042



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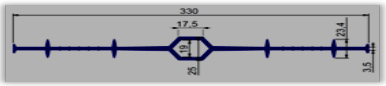
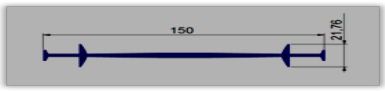


Picture 4. LP 054052

PVC WATERSTOPS

b) Waterstop without centre bulb - Construction joints (no-movement joint)



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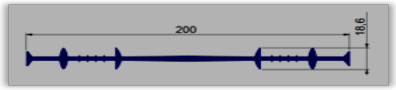

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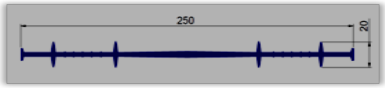
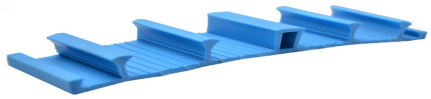
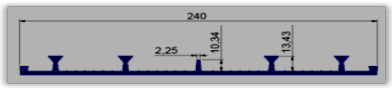


Picture 7. LP 054109

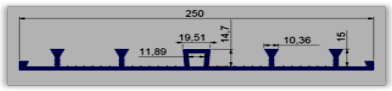
2. External Joints (External Waterstop)

They are used on the formwork's surface or on modulated surface in concrete.





Picture 8. LP 054048



Picture 9. LP 054049

TECHNICAL CHARACTERISTICS

Raw Material	PVC - P
Compound	SP 0005
Color	Blue
Shore-A Hardness	70 ± 0.5
Specific weight (gr/cm³)	1.4 ± 0.3
Tensile strength (N/mm²)	10
Elongation at break (%)	≥ 300
Tear strength (N/mm)	12

For more information, please contact ESHA sales department at: sales@esha.gr

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